Embedded Industrial Automation
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High Performance Rugged Mobile Computer

PowerBrick

In firefighting, the outcome of endeavours to save life and property is critically dependent upon the call response time. Therefore, firefighters enroute need immediate access to assential information regarding the location of the incident, the best way to get there quickly, the location of fire hydrants close by and the building if applicable. After the fire truck is powered up, Acura's PowerBrick high performance rugged Pentium Mobile computer is ready to start delivering critical information in 15 - 30 seconds, depending on the operation system installed. The large splash-proff LCD touch screen monitor, from which programs are normally run, is readable in all light conditions and the position is easily adjustable for the best viewing angle.

The small footprint computer itself, normally secured to the floor in a safe place, is of modular design that allows for easy upgrading and expansions, such as a change to the next generation microprocessor or addition of an integrated GPS module.

Applications

- Fire trucks and rescue vehicles
- Fleet management
- Emergency vehicles
- Security and patrol vehicles
- Ambulances
- Seaport container yard management

Features

- Intel ® Core™ Duo processor
- Standard 2.5" hard disk
- 2 x 10/100/1000 LAN port
- 4 x USB /4 x RS232 /1 X CF II
- Microprocessor-controlled DC power supply
- Embedded OS (optional)
- Audio Jacks
- GSM/GPRS/WiFi/CDMA/CDPD network options
- Integrated GPS (Global Positioning System) option
- Integrated AVL (Automatic Vehicle Locating) option

Firefighting vehicles

Designed for reliable operation in harsh environments, the PowerBrick yields unmatched processing power for its size. This computer can fit almost anywhere! The large LCD touch screen is easily switched between horizontal and vertical mode of operation.

PowerBrick

SPECIFICATIONS

PowerBrick -

Processor	Intel® Core™ Duo /Core™ 2 Duo 1.83-2.30 GHZ 667MHZ FSB
Storage Media	80GB to maximum capacity SATA Hard Drive
Video	Dual Independent video outputs (optional)
Audio	Intel High Definition Audio
Memory	Up to 2GB DDR2-667MHZ
Ethernet Wireless	Dual Gigabit LAN 802.11/A/G/N
Expansion	Mini-PCI-E card slot Type II CompactFlach socket
Dimensions	
W x L x H	7.60” x 5” x 4.13” 19.3 cm x 12.7cm x 10.49cm
OS Compatibility	Microsoft Window 2000, Win-XP (Professional Embedded, Lite) Microsoft Vista Window Red Hat Linux, Embedded Linux

Front Panel	Power Button Push Button Power LED HD-LED
Back Panel	
Serial Por	4x RS232 / RS485/422
Ethernet	2x RJ45 10/100/1000Mb
USB	4 x USB 2.0 Ports
VGA	1x 15 pin VGA Port
Audio Ports	Line In/ Line Out/ Mic PS2 Key-Mouse Compat flash II Slot Main Power Connector Main Power Switch
Environmental	
Operating (standard)	0 C to 60 C 32 F to 158 F
Power Source	8 ~ 30 Volt DC Input

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